1.   A method comprising:

detecting motion within an imaged scene;

capturing a digital representation of said scene in an imaging device;

encoding information in said digital representation to indicate whether motion was detected; and

transmitting said digital representation from said imaging device to a processor-based system over a bus.

2.   The method of claim 1 including transmitting said digital representation over a Universal Serial Bus.

3.   The method of claim 1 wherein capturing includes capturing image data representing said scene and wherein encoding information in said digital representation includes encoding information in place of image data.

4.   The method of claim 3 including replacing intensity information in said digital representation with said motion information.

5.   The method of claim 4 including providing a bit in said digital representation to indicate whether motion was detected.

1   6.   The method of claim 1 including decoding said
2 digital representation and determining whether motion was
3 detected.

1   7.   The method of claim 6 including controlling the
2 storage of said digital representation on the processor-
3 based system based on whether motion was detected.

1   8.   The method of claim 1 wherein encoding
2 information in said digital representation includes forming
3 a plurality of packets containing image data and replacing
4 image data in one of said packets with information about
5 whether motion was detected.

1   9.   An article comprising a medium storing
2 instructions that enable a processor-based system to:
3   detect motion within an imaged scene;
4   capture a digital representation of said scene in
5 an imaging device;
6   encode information in said digital representation
7 to indicate whether motion was detected; and
8   transmit said digital representation from said
9 imaging device to a processor-based system over a bus.

1   10.   The article of claim 9 further storing
2 instructions that enable the processor-based system to

3   transmit said digital representation over a Universal

4   Serial Bus.

1   11. The article of claim 9 further storing

2   instructions that enable the processor-based system to

3   capture image data representing said scene and encode

4   information in said digital representation in place of

5   image data.

1   12. The article of claim 11 further storing

2   instructions that enable the processor-based system to

3   replace intensity information in said digital

4   representation with said motion information.

1   13. The article of claim 12 further storing

2   instructions that enable the processor-based system to

3   provide a bit in said digital representation to indicate

4   whether motion was detected.

1   14. The article of claim 9 further storing

2   instructions that enable the processor-based system to

3   decode said digital representation and determine whether

4   motion was detected.

1   15. The article of claim 14 further storing

2   instructions that enable the processor-based system to

3   control the storage of said digital representation on the

4   processor-based system based on whether motion was

5   detected.

1   16. The article of claim 9 further storing

2   instructions that enable the processor-based system to form

3   a plurality of packets containing image data and replace

4   image data in one of said packets with information about

5   whether motion was detected.

1   17.   A digital imaging device comprising:

2   a motion detector;

3   an imaging element to capture image data

4   representing an image; and

5   a serial bus interface, coupled to said imaging

6   element and said motion detector, said serial bus interface

7   forms a plurality of packets containing said image data for

8   transmission over a bus, serial bus interface incorporates

9   information about whether motion was detected into said

10   packets containing said image data.

1   18.   The device of claim 17 wherein said serial bus

2   interface is coupled to a Universal Serial Bus.

1   19.   The device of claim 17 including a processor-

2   based device coupled to the bus, said motion detector,

3   serial bus interface and imaging element also coupled to

4   said bus.

1   20. The device of claim 17 wherein said serial bus

2   interface forms said image data into packets including both

3   a payload and a header.

1   21. The device of claim 20 including intensity

2   information in said packets, said intensity information

3   having a least significant bit.

1   22. The device of claim 21 including replacing said

2   least significant bit with a bit indicating whether motion

3   was detected by said motion detector.

1   23. A system comprising:

2   a digital imaging device including a motion

3   detector and a packetizer that converts image data captured

4   by said imaging device into a plurality of packets;

5   said motion detector coupled to said imaging

6   device, said image device generating motion data, said

7   packetizer packetizing said motion data;

8   a processor-based device; and

9   a bus coupling said processor-based device and

10   said imaging device.

1   24. The system of claim 23 wherein said bus is a
2   Universal Serial Bus.

1   25. The system of claim 23 wherein said packetizer
2   inserts motion data received from said motion detector into
3   packets including said image data.

1   26. The system of claim 25 wherein said packetizer
2   inserts a bit indicating whether motion was detected into a
3   packet including image data to indicate whether motion was
4   detected in that image data.